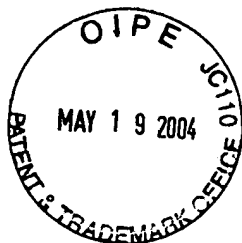


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Express Mail No. EV381772867US

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

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Application Number: 09/879,480

Applicants: Jack C. Whittier, Barbi A. Riggs, Patrick D. Burns and  
George Seidel

Filed: June 12, 2001

Title: Integrated Herd Management System Utilizing Isolated  
Populations of X-Chromosome Bearing and Y-Chromosome  
Bearing Spermatozoa

TC/A.U: 1634

Examiner: Carla J. Myers

Assignee: Colorado State University through its agent Colorado State  
University Research Foundation

Attorney Docket: HrdMgmtCIP

Customer No. 33549

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**LETTER OF TRANSMITTAL**

Mail Stop: Group Art Unit 1634  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed with this correspondence are the following documents:

1. Information Disclosure Statement including a Supplemental Information Disclosure Citation and copies of references cited;
2. This Letter of Transmittal; and
3. A Certificate of Express Mailing for each document and a return receipt post card.

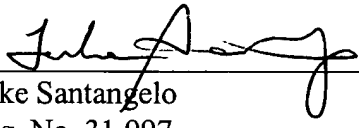
I have this 19<sup>th</sup> day of May, 2004, either myself personally or through my direction of staff at this office, deposited all of the items in the above letter of transmittal with the United States Postal Service as Express Mail, postage prepaid, in an envelope addressed to: Mail Stop Group Art Unit 1634, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Please confirm receipt of the documents by applying your date stamp on the enclosed postcard and returning it to me.

Dated this 19<sup>th</sup> day of May, 2004.

Respectfully Submitted,  
SANTANGELO LAW OFFICES, P.C.

By:

  
\_\_\_\_\_  
Luke Santangelo  
Reg. No. 31,997  
125 South Howes, Third Floor  
Fort Collins, Colorado 80521  
(970) 224-3100



Express Mail No. EV381772867US

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE  
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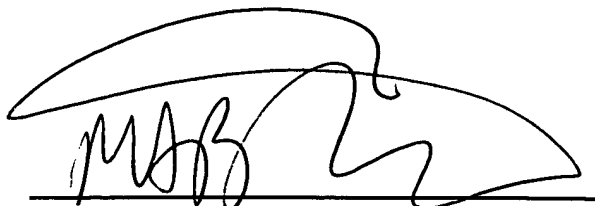
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**CERTIFICATE OF EXPRESS MAILING**  
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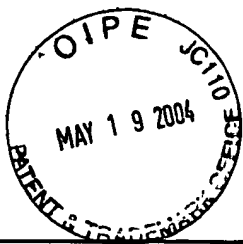
I, Michael Blackmore, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes,  
Third Floor, Fort Collins, Colorado 80521.

2. I have this day deposited the attached Letter of Transmittal with the  
United States Postal Service as Express Mail, postage prepaid, for mailing to: Mail Stop  
Group Art Unit 1634, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-  
1450.

Dated this 19<sup>th</sup> day of May, 2004.

  
\_\_\_\_\_  
Michael Blackmore



Express Mail No. EV381772867US

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| IN THE UNITED STATES<br>PATENT AND TRADEMARK OFFICE<br><br><b>INFORMATION DISCLOSURE CITATION</b> | DOCKET NO. HrdMgmtCIP      SERIAL NO. 09/879,480                                   |
|   | APPLICANT (S) Jack C. Whittier, Barbi A. Riggs, Patrick D. Burns and George Seidel |
|   | FILING DATE June 12, 2001      ART UNIT 1634                                       |

**I.****U.S. PATENT DOCUMENTS**

| DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|--------------|------|------|-------|----------|-------------|
|              |      |      |       |          |             |

**II.****FOREIGN PATENT DOCUMENTS**

| DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--------------|------|---------|-------|----------|-------------|----|
|              |      |         |       |          | YES         | NO |
|              |      |         |       |          |             |    |

**III.****OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |  |
|--|--|
|  | Ginther, O.J. 1992. In: "Reproductive Biology of the Mare." (2 <sup>nd</sup> Ed.) Equineservices, Cross Plains, WI., pp. 75-104, 112-125, 158-172, 233-290, 333-344, 457-498.  |
|  | Amann, R.P. et al, 1982 "Prospects For Sexing Mammalian Sperm," Colorado Associated University Press, Animal Reproduction Laboratory College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, CO, 80523, pp. 253-285 |
|  | Pickett B.W., et al., 1989 "A Management of the Mare for Maximum Reproductive Efficiency" Bulletin No. 6 Colorado State University, Ft. Collins CO. Chapter 7 "Artificial Insemination", pp. 73-83   |
|  | Squires, E.L., "Procedures for Handling Frozen Equine Semen for Maximum Reproductive Efficiency", pp. 1, 39-41, 81-89  |
|  | Sell, R. S.; Watt D. L.; Little, R. D.; and Petry, T. A. 1988 "Single-Calf Heifer Profitability Compared to Other North Dakota Beef Production Systems" Department of Ag. Eco., North Dakota State University, Ag. Econ. Rpt. No. 240.                       |
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EXAMINER

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.